

Work Order ID 118854

May-06-14 8:03:32 AM

\*118854\*

Page 1

Item ID: D3551-11

Accept

\*N900040100\*

Setup Start

\*NS1\*

Revision ID:

Item Name: Hook And Loop Tie

Stop

\*NS2\*

Start Date: 5/05/14 Start Qty: 15.00

\*15\*

Cust Item ID:

Required Date: 5/05/14 Req'd Qty: 15.00

\*15\*

Customer:

Reference:

Approvals: Process Plan: MLJ Date: 14-05-07

QC: \_\_\_\_\_ Date: \_\_\_\_\_

Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start

\*NR1\*

Stop

\*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
100		0.00							
<b>*100*</b> Purchasing	PURCHASING Memo	0.00							<u>CL 14/05/09 15</u>

Purchasing

Issue P/O: 24156 Purchase Part Number: 6605K56Supplier: Mc

Master Carr Certificate of conformity is required

110

Receive & Inspect for Damage & Mat'l Certs

**\*110\***  
Packaging

Packaging

120

QC6- Inspect dimensions to drawing

**\*120\***  
QC

Quality Control

DAS  
27  
9-89  
14/5/13

15

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only 

Work Order: _____	DISPOSITION			AGAINST DEPARTMENT/PROCESS					
Part No. _____	Rework	Scrap	Use-as-is	Skid-tube	Crosstube	Water Jet	Engineering		
NCR No. _____	Suspected	Unapproved		Machining	Small Fab	Prod. Eng. Coor.	Quality		
				Thermoforming	Finishing	Rec/Store/Packaging	Other		
				Large Fab	Composite	Supplier			

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

## FAULT CATEGORY

Landing Gear		General									
Bending		Bend		Folio/Program		Outside Dimensions		Pressure/Forced			
Centre Not Concentric		BOM/Route		Grain		Over/Under tolerance		Set-up			
Cracks		Broken/Damage/Defect		Hardware		Part Incorrect		Temperature/Cure			
Crimp/Kink/Ripple/Wave		Burrs		Inspection Incomplete/Unqualified		Part Lost/Missing		Weld			
Cuffs		Contamination		Instructions Incomplete/Unclear		Part Moved		Wrong Stock Pulled			
Crushing		Countersink		Misaligned/off center		Positioned Wrong					
Heat Treat		Cut Too Short		Mislabeled		Power Loss/Surge		Other			
Inspection Strip in Tube		Drawing		Misread							
Marks/Chatter		Drill Holes		Off-set							
Turning Sequence		Finish		Out of Calibration							
Wave/Twist in Tube		Fit/Function		Out of Sequence							

Work Order ID 118854

May-06-14 8:03:32 AM

\*118854\*

Page 2

Item ID: D3551-11

Accept

\*N900040100\*

Setup Start

\*NS1\*

Revision ID:

Item Name: Hook And Loop Tie

Stop

\*NS2\*

Start Date: 5/05/14 Start Qty: 15.00

\*15\*

Cust Item ID:

Required Date: 5/05/14 Req'd Qty: 15.00

\*15\*

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_

Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start

\*NR1\*

QC: \_\_\_\_\_ Date: \_\_\_\_\_

SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

\*NR2\*

Sequence ID/  
Work Center ID

Operation  
Description

130

Identify as per dwg & Stock Location:

\*130\*

Packaging

Packaging

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

0.00

15X 14-5-13

DAS

26

9-89

140

QC21- Final Inspection - Work Order Release

0.00

MLJ 14-05-13

\*140\*

QC

Quality Control

Memo

0.00

APR 05-13

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_

Date: \_\_\_\_\_

Work Order update only 

Work Order: \_\_\_\_\_  
 Part No. \_\_\_\_\_  
 NCR No. \_\_\_\_\_

## DISPOSITION

Rework   
 Scrap   
 Use-as-is   
 Suspected Unapproved

## AGAINST DEPARTMENT/PROCESS

Skid-tube   
 Machining   
 Thermoforming   
 Large Fab

Crosstube   
 Small Fab   
 Finishing   
 Composite

Water Jet   
 Prod. Eng. Coor.   
 Rec/Store/Packaging   
 Supplier

Engineering   
 Quality   
 Other

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

## FAULT CATEGORY

Landing Gear	General			
Bending	Bend			
Centre Not Concentric	BOM/Route			
Cracks	Broken/Damage/Defect			
Crimp/Kink/Ripple/Wave	Burrs			
Cuffs	Contamination			
Crushing	Countersink			
Heat Treat	Cut Too Short			
Inspection Strip in Tube	Drawing			
Marks/Chatter	Drill Holes			
Turning Sequence	Finish			
Wave/Twist in Tube	Fit/Function			
	Folio/Program			
	Grain			
	Hardware			
	Inspection Incomplete/Unqualified			
	Instructions Incomplete/Unclear			
	Misaligned/off center			
	Mislabeled			
	Misread			
	Off-set			
	Out of Calibration			
	Out of Sequence			

**Picklist Print**

May-06-14 8:03:31 AM

Page 1

Work Order ID: 118854

**\*118854\***  
**\*D3551-11\***

Parent Item: D3551-11

Parent Item Name: Hook And Loop Tie

Start Date: 5/05/14

Required Date: 5/05/14

Start Qty: 15.00

Required Qty: 15.00

Comments: IPP Rev:A New Issue 06-09-27 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
6605K56		Purchased	No		110		Each	0.0000	1	15	**	144 of 12	(15)

**\*6605K56\***

HOOK AND LOOP TIE

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only 

Work Order: _____	DISPOSITION			AGAINST DEPARTMENT/PROCESS														
Part No. _____	Rework	Scrap	Use-as-is	Skid-tube	Machining	Thermoforming	Large Fab	Crosstube	Small Fab	Finishing	Composite	Water Jet	Prod. Eng. Coor.	Rec/Store/Packaging	Supplier	Engineering	Quality	Other
NCR No. _____	Suspected Unapproved																	

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

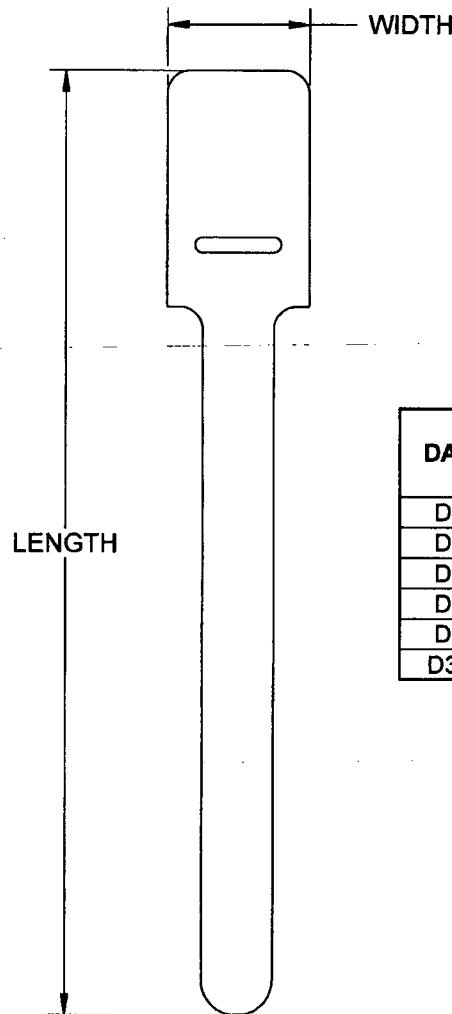
## FAULT CATEGORY

Landing Gear		General									
Bending		Bend		Folio/Program		Outside Dimensions		Pressure/Forced			
Centre Not Concentric		BOM/Route		Grain		Over/Under tolerance		Set-up			
Cracks		Broken/Damage/Defect		Hardware		Part Incorrect		Temperature/Cure			
Crimp/Kink/Ripple/Wave		Burrs		Inspection Incomplete/Unqualified		Part Lost/Missing		Weld			
Cuffs		Contamination		Instructions Incomplete/Unclear		Part Moved		Wrong Stock Pulled			
Crushing		Countersink		Misaligned/off center		Positioned Wrong					
Heat Treat		Cut Too Short		Mislabeled		Power Loss/Surge		Other			
Inspection Strip in Tube		Drawing		Misread							
Marks/Chatter		Drill Holes		Off-set							
Turning Sequence		Finish		Out of Calibration							
Wave/Twist in Tube		Fit/Function		Out of Sequence							

**DART**

DESIGN <i>CE</i>	DRAWN BY <i>CE</i>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA		
CHECKED <i>GP</i>	APPROVED <i>SH</i>	DRAWING NO. <b>D3551</b>	REV. A	SHEET 1 OF 1
DATE <b>06.08.28</b>		TITLE <b>HOOK AND LOOP TIE</b>	SCALE NTS	
REV <b>A</b>	DATE <b>06.08.28</b>	DESCRIPTION <b>NEW ISSUE</b>		

## SPECIFICATION CONTROL DRAWING



DART P/N	LENGTH (in)	WIDTH (in)	MCMASTER-CARR P/N	SPEEDTECH P/N
D3551-1	6	1	6605K51	SW.75X6BK889
D3551-3	8	1	6605K52	SW.75X8BK889
D3551-5	11	1	6605K53	SW.75X11BK889
D3551-7	15	1.5	6605K54	SW1.5X15BK889
D3551-9	18	1.5	6605K55	SW1.5X18BK889
D3551-11	24	1.5	6605K56	SW1.5X24BK889

**D3551-X HOOK AND LOOP TIE***EO-5041  
571158811*

MATERIAL: BLACK BACK-TO-BACK HOOK AND LOOP MATERIAL, FLAME-RETARDANT NYLON

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Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO24156**

Purchase Order Date 5/9/2014  
PO Print Date 5/9/2014

Page Number 2 of 4

Order From :  
MCMASTER-CARR SUPPLY CO,  
P.O. BOX 7690  
CHICAGO, IL 60680-7690  
US

VU-MCM001

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 330 995 5500  
  
Ship To Contact  
Ship To Phone  
Ship Via: FedEx PI collect  
Ship Acct:

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 10  
Currency USD  
FOB FCA - (Free Carrier)

3	6605K56	HOOK AND LOOP TIE	5/14/2014	15.00	\$2.78	\$41.67
			Yes	Each		
			5/14/2014			

AS PER DWG D3551 REV. A  
B118854  
3 PKS OF 5 PCS

Line Total: \$41.67

4	71400-35	7509A82 1300L GLUE	5/14/2014	6.00	\$43.78	\$262.68
			Yes	Each		
			5/14/2014			

Line Total: \$262.68

Deliver To: MUFFIN

5	71500-35	4073A31 BITMETAL BLADE	5/14/2014	5.00	\$13.86	\$69.30
			Yes	Each		
			5/14/2014			

Line Total: \$69.30

Deliver To: DARYL

Note:

200 Aurora Industrial Pkwy

AURORA OH 44202-8087

330-995-5500

cle.sales@mcmaster.com

Purchase Order  
PO24156

Page 1 of 2

Dart Aerospace Ltd

1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
CanadaOrder Placed By  
Chantal Lavoie

05/09/2014

McMaster-Carr Number  
3657078-01

Line	Description	Ordered	Shipped	LNS	A83
1	91249A146 Black-Oxide Finish Pan Head Phillips Machine Screw, 18-8 Stainless Steel, 6-32 Thread, 3/8" Length, Packs of 100 Your Part Number: B119031	1 Pack	1	2 - 709 - 02	04 - 79 A146 1 PK 1
	Unit Price: \$5.40 Extended Price: \$5.40				
2	9610K18 Military Specification Grommet Kit, with Teeth Washer, Trade Size 2, 3/8" ID, 24 Grommets Your Part Number: B119037	8 Each	8	1 - 315	2
	Unit Price: \$13.31 Extended Price: \$106.48				
3	6605K56 Hook and Loop Cable Tie, Black Flame-Retardant Wrap Around, 24" L, 3/4" Width, Packs of 5 Your Part Number: B118854	3 Packs	3	3 - 125	3
	Unit Price: \$13.89 Extended Price: \$41.67	27	29	MIS/B	
4	7509A82 3M Gasketing Adhesive, Number 1300L, 32-Ounce Can, Muffin Your Part Number: 71400-35	6 Each	6	1 - 470	4 HZ-D
	Unit Price: \$43.78 Extended Price: \$262.68				

Dart Aerospace Ltd

EXP  
INV  
NAFTA  
HZ-D18 lbs  
7 lines

Lg

38x12x12

FW1WBP24  
05/09/2014  
12:44:13:07  
410  
Cycle 46

1141116679637

